

To Sergey,

1. Regarding task 3, I found it challenging and in my “solution” I have attached the actual solution I created before asking for help & watching the lesson where you went through the task. I honestly don’t understand how to create the program. EVEN through your lesson I don’t understand why do:

```

4 CHANNELS = ["BBC", "Discovery", "TV1000"]
5 class TVController:
6     def __init__(self, channels):
7         self.channels = channels
8         self._current_channel = channels[0]

```

Where my initial question is why not do following:

Class TVController:

```

def __init__(self, channels, self._current_channel):
    self.channels = channels
    self._current_channel = self._current_channel[0]

```

So why not put the attribute ‘self._current_channel’ in the ‘()’ within the __init__ method? Also, why the double “_” before “current_channel”?

The execution of this task seems to be way more complicated compared to the other two and I feel that I am missing several bits of knowledge in order to understand the flow of this program/code.

2. I am also generally not 100% confident in some of the methods you use frequently. Like for example,

```

def is_exist(self, channel):
    if type(channel) is int:
        return "No" if channel < 1 or channel > len(self.channels) else "Yes"
    return "Yes" if channel in self.channels else "No"

```

So bear with me on some of the questions I have on the above snapshot:

- A. Why use ‘type’ method? What does it do? >> I have googled on this before but don’t understand how to use it and for what purpose.
- B. What does ‘int’ mean? I know that you have used it multiple times but honestly its nothing I fully understand - how to use it and for what purpose?
- C. What words or terms can we use when for example, writing a return value/if statement (see highlighted)? Above you wrote: `return "No" if channel < 1 or channel > len(self.channels) else "Yes"`. Is there a document or list anywhere with all the words/terms you can use when writing if statements, and for that matter also while loops, for loops, any type of statements really?
- D. Additionally & finally, when do we want to use the ‘len’ method? I have googled on this before, but I just don’t understand within what context. Why do we need to add the ‘len’ method for (self.channels)? Isn’t it asking for the length of our given channels? So, how do we use it and for what purpose?

Sorry for the lengthier comment(s)....